

October 16, 2015

MEMORANDUM FOR: Distribution Email

FROM: Christine Caruso Magee
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SUBJECT: Scheduled Operational Changes and Upgrades for
CPC, OPC, and WPC

The following accelerated items were implemented this past week:

RFC #467 – Made a change to restore archival transmissions of the forecast ASCII file, which hadn't updated since January. This was overlooked during the RH5 to RH6 transition back in January. Implemented on October 13 at 1200Z. (CPC)

The following will be implemented the week of October 19, 2015:

RFC #446 - Point NMAP2 to the new SREF file names after the SREF upgrade is implemented. The SREF implementation has now been approved, so this will be implemented on October 21 at 1800Z. (OPC)

RFC #468 – Update script 'ltng_grid_grib2.pl' to send 15 minute lightning density data to NCWCP AWIPS-II and update script 'send_via_dbnet.csh' for additional documentation. To be implemented on October 19 at 1130Z. (OPC)

RFC #469 – Modify operational launch scripts to include the valid hour with the call to 'split_up_vgf.pl' so that xml files sent to AWIPS-II will have the correct time. To be implemented on October 19 at 1200Z. (OPC)

RFC #470 – Modify the 'verify_product_launch.pl' script to look in the correct path for WMOIDs that include RA1 and RP1 in the name and to clarify the forecaster popups. Also correct 'opc_deadlines.tbl' description for PPAE00. To be implemented on October 19 at 1200Z. (OPC)

RFC #471 – Implement a new script to convert MRMS precipitation rate GRIB2 files to GEMPAK grids for display in NMAP. This supports WPC's Metwatch function. To be implemented on October 20 at 1200Z. (WPC)

RFC #472 - Add Winds and Cloud Cover elements to the National Blend decoder script and NMAP display. Add NTRANS comparison files using National Blend Max/Min T. To be implemented on October 20 at 1200Z. (WPC)

RFC #473 - NOAA NMFS has requested that support for their Antarctic Ecosystem Research Group 2015-2016 field season start on October 22, 2015. To provide this support, modify script 'auto_antarctica.pl' for the 2015-2016 winter requirements (1 F48 graphic with surface pressure, winds, previous 12-hour precip). Modify 'Email_Antarctica.tbl' with the appropriate send addresses. Activate the IDP cron job. To be implemented on October 22 at 1130Z and remain open until March 21, 2016. (OPC)

The following CPC OPC WPC RFC(s) are in progress:

RFC #384 – The salinity fields in NOS's CBOFS model have drifted this summer by about 4 PSU, negatively impacting the Ecological Forecasts which use the CBOFS for Vibrio Vulnificus and Sea Nettle forecasts. A bias correction has been developed by the Ecological Forecast Pathogens group. This correction will be applied every 2 weeks through early fall or until the CBOFS model has been corrected. The Vibrio and Sea Nettles web pages will be restarted each time after the salinity correction has been implemented. Implementation began on July 22 at 2100Z and should be completed by October 27. (OPC)

RFC #440 – Initial implementation of GEMPAK-based NCEP model (GFS, GEFS, and GDAS) products for the international domains generated with collaboration of NCO. NCO makes the tar files available on the Compute Farm and CPC needs to untar them and transfer them to the web server. CPC will ensure the web page is labeled 'experimental' until NCO provides 24/7 support. Implementation began on September 21 at 0430Z; was to be completed by September 24; problems encountered during implementation are pushing the completion date back to the week of October 19. (CPC)

The following NCO RFCs to be implemented the week of October 19, 2015 may affect CPC, OPC, and/or WPC:

RFC #1309 – SREF v7.0.4 – Major upgrade of the SREF, including increasing the total members from 21 to 26, increase vertical levels, and other changes. See the TIN at: <http://www.nws.noaa.gov/os/notification/tin15-32srefaad.htm> for specifics. The SREF has now been approved for implementation by the NCEP Director. It will be implemented on October 21, effective with the 1500Z cycle.

RFC #1332 – GFS_MOS v4.2.2 – Major GFS MOS upgrade. See TIN 15-34 at: http://www.nws.noaa.gov/os/notification/tin15-34gfs_mos_cca.htm for details. To be re-implemented on October 19 at 1200Z.

RFC #1333 – GLMP v1.1.0 – Major Gridded LAMP upgrade. See TIN 15-41 at: http://www.nws.noaa.gov/os/notification/tin15-41griddedlamp_upgrade_T_Td_C_V_add_S_windsv2.htm for details. To be re-implemented on October 19 at 1400Z.

RFC #1395 – Remove the 'default' tag from the WCOSS phase 1 libraries so developers are not confused. The default libraries on WCOSS are those on phase 2. These are the ones that have precedence when one is loading a default library without specifying a version number. To be implemented on October 20 at 1300Z.

The following NCO RFC(s) are in progress and may affect the local Centers:

RFC #1359 – NCODF Dataflow v2.11.0 – Modify DBNet on NCODF to begin sending Himawari data to Alaska Region, OPCN, and HPCN, slowly, over a 2 week period, to ensure the sites can handle the volume of data. Implementation began on October 7 and should be completed on October 22.

The following NCO RFC(s), which may affect the local Centers, was approved with an implementation date TBD:

RFC #1357 – RTOFS global v1.1.0 – Major upgrade of the Global RTOFS model. See the TIN at: <http://www.nws.noaa.gov/os/notification/tin15-36global-rtofsaaa.htm> for details. This was advertised as having an October 6 implementation date but this implementation is being postponed due to a delay in the Navy's HYCOM model upgrade. Once the HYCOM upgrade is implemented, the Global RTOFS will be scheduled for implementation. Notification will be given in advance so users may prepare for any changes which may affect them. This upgrade of the Global RTOFS was approved by the NCEP Director.

The following NCO RFC(s), which may affect the local Centers, are on hold:

RFC #1320 – Himawari v1.2 – Himawari was to be declared operational on IDP effective September 30 at 1200Z. This was approved at the Sep. 24 NCO CCB but was not approved by the NCEP Director at the Sep. 28 briefing, so it is on hold until a future date.

RFC #1370 – GEFS v11.0.3 – Major GEFS upgrade. See the TIN at: <http://www.nws.noaa.gov/os/notification/tin15-43gefsaab.htm> for specifics. This was scheduled for an October 14 implementation and was conditionally approved at the October 8 NCO CCB, but it was not approved by the NCEP Director at the October 9 briefing, so it is on hold until a future date.

Please note that security-related RFCs are never listed in the RFC memo.

---- OPERATIONAL ANNOUNCEMENTS ----

1. The CPC/OPC/WPC Configuration Management documents are available at <https://sites.google.com/a/noaa.gov/nws-ncep-nco-cm/>.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.